

# PROCEEDINGS OF THE SIXTY-THIRD ANNUAL MEETING

CURTIS S. ADKISSON, SECRETARY

The Sixty-third Annual Meeting of The Wilson Ornithological Society was held Thursday, May 6 to Sunday, May 9, 1982, at Virginia Polytechnic Institute and State University, Blacksburg, Virginia. The hosts for the meeting were the University and the New River Valley Bird Club. Curtis S. Adkisson chaired the local arrangements committee. One hundred fifty-six people attended the meeting.

The meeting opened with registration Thursday evening followed by a wine and cheese reception in the Donaldson Brown Center for Continuing Education on the campus of the University. On Friday morning, following a pre-breakfast field trip, the Society was welcomed by Dr. John D. Wilson, University Provost. President Abbot S. Gaunt responded for the Society. After the first business meeting, the paper sessions began.

The annual banquet was held in the Donaldson Brown Center on Saturday night. Immediately following the banquet, Mr. Adger Smyth on Charlotte, North Carolina, gave a presentation in memory of the late Frederick Kent Truslow featuring Mr. Truslow's photography. Included were some of his most famous bird photographs.

At the banquet, President Gaunt announced the following awards:

## EDWARDS PRIZES (for best papers appearing in *The Wilson Bulletin* in 1981)

- (1) First Edwards Prize to C. John Ralph, "Age ratios and their possible use in determining autumn routes of passerine migrants," *Wilson Bull.* 93:164-188.
- (2) Second Edwards Prize to Peter G. Merritt, "Narrowly disjunct allopatry between Black-capped and Carolina chickadees," *Wilson Bull.* 93:54-66.

## MARGARET MORSE NICE AWARDS

Michael E. Facemire, Mesa, Arizona, "An investigation of the relationships between winter precipitation and nesting success in the Black-throated Sparrow."

A. Townsend Peterson, Oxford, Ohio, "The breeding biology of the Upland Sandpiper in Ohio."

## LOUIS AGASSIZ FUERTES AWARDS

Stephen Nowicki, Cornell University, "Physiology and physics of harmonically complex bird calls: a comparative study."

Brian J. McCaffery, Cornell University, "Parental care in the Mountain Plover (*Charadrius montanus*)."

## STEWART AWARDS

Tod DeLong, Brigham Young University, "Nocturnal behavior in nesting Long-eared Owls (*Asio otus*)."

Charles F. Facemire, Arizona State University, "Social regulation in an emberizine finch, *Pipilo aberti*: an investigation of cause and effect."

Patricia Ann Greenleaf, University of Arkansas, "Blackbird and starling behavior in a northwest Arkansas roost."

Kathleen D. Groschupf, Virginia Polytechnic Institute and State University, "Song repertoires and singing behavior of Rufous-winged and Cassin's sparrows: preliminary research on the functional significance of diverse singing strategies in *Aimophila* sparrows."

David G. Krementz, University of Western Ontario, "Energetics of breeding House Sparrows (*Passer domesticus*)."

Patricia McGill-Harelstad, Cornell University, "Cold exposure and cold tolerance of Great Black-backed and Herring gull chicks—a possible factor in the displacement of a species."

James F. Quinn, University of Oklahoma, "Evolution of sexual dimorphism in body size of a monogamous bird: a comparative study of Black Skimmers and Caspian Terns."

Douglas Runde, Wyoming Cooperative Wildlife Unit, "Nest-site fidelity of Prairie Falcons in relation to strip mining activity in southwestern Wyoming."

Roland R. Roth, University of Delaware, "Between year dispersal by adult and juvenile Wood Thrush."

Jill M. Trainer, University of Michigan, "Song dialects, communication, and social organization in Chestnut-headed Oropendolas (*Varhynchus wagleri*) and Yellow-rumped Caciques (*Cacicus cela*)."

#### ALEXANDER WILSON PRIZE (for best student paper at the meeting)

Elizabeth Litovich, Rutgers University, "Communication and allocation of parental care in Starlings."

There were field trips to Poverty Hollow in the Jefferson National Forest, to Mabry Mill on the Blue Ridge Parkway, and local trips to the Smithfield Plantation, and the Duck Pond area on campus. On Sunday there was a half-day trip to Mountain Lake on the summit of Salt Pond Mountain. Participants went birding around the shore of Mountain Lake, had breakfast at the Mountain Lake Hotel, then visited the Mountain Lake Biological Station and a U.S. Forest Service scenic area with a virgin stand of eastern hemlocks.

#### FIRST BUSINESS MEETING

The first business meeting was held on 7 May 1982, and was presided over by President Abbot S. Gaunt. He announced the posting of a list of new members, and the appointment of the Alexander Wilson Prize Committee. He also announced that William A. Klamm, Robert A. Whiting, and Hubert P. Zernichow would serve as the Auditing Committee. He noted also that persons interested in submitting resolutions for consideration should give these to Kathleen Anderson or Joanna Burger. Secretary Curtis S. Adkisson then summarized actions taken by the Council at its 1982 meeting on 6 May. These included the announcement that Jon C. Barlow was re-elected Editor of *The Wilson Bulletin*, Treasurer Robert D. Burns gave the Treasurer's Report.

REPORT OF THE TREASURER  
1 JANUARY 1981 TO 31 DECEMBER 1981

*GENERAL FUNDS*

*RECEIPTS*

Dues collected in 1981

Student and Regular Membership for 1981 .....	\$ 11,078.05
For 1982 .....	14,372.50
Family Membership for 1981 .....	110.00
For 1982 .....	396.00
Sustaining Membership for 1981 .....	1,733.00
For 1982 .....	<u>1,634.00</u>

TOTAL DUES .....

\$ 29,323.55

Subscriptions to *The Wilson Bulletin*

For 1981 .....	\$ 5,706.50
For 1982 .....	<u>7,358.76</u>

TOTAL SUBSCRIPTIONS .....

\$ 13,065.26

Back issues of *The Wilson Bulletin* .....

\$ 770.50

Interest and Dividends .....

\$ 17,456.13

Royalties .....

\$ 832.27

Contributions from Authors .....

\$ 5,018.19

Balance of General Funds Transferred from Old Kent Bank .....

\$ 7,904.86

Contributions to the Student Awards Funds .....

\$ 6,271.19

Contributions to Endowment and Life Memberships .....

\$ 10,647.00

Balance of Endowment Funds Transferred from Old Kent Bank .....

\$ 5,633.50

TOTAL RECEIPTS—Jan. 1—Dec. 31, 1981 .....

\$ 96,922.45

*DISBURSEMENTS*

*The Wilson Bulletin*

December 1980 .....	\$ 9,451.27
March 1981 .....	9,064.11
June 1981 .....	10,631.35
September 1981 .....	10,347.57
Colorplates .....	2,765.21
Insurance .....	23.00
Back orders \$ names lists .....	176.83
Editorial Assistants .....	1,000.00

TOTAL COSTS .....

\$ 43,459.34

Additions to Endowment Trust at Central Counties Bank .....

\$ 13,511.50

Deposit of Student Awards Funds to Dreyfus Liquid Assets .....

\$ 6,271.19

Deposit to Awards Funds from Endowment Earnings .....

\$ 2,200.00

1981 Incorporation Fee .....

\$ 5.00

Dues to International Council for Bird Preservation 1981 .....

\$ 100.00

Editor's Expenses

Telephone .....

\$ 160.86

Attend Allen Press Conference .....

\$ 316.64

Treasurer's Expenses

Postage and Secretarial Service .....

\$ 245.00

Miscellaneous Printing Costs .....

\$ 69.67

Membership Committee—New Brochures .....	\$ 127.58
Ornithological Societies of North America .....	\$ 9,157.23
Treasurer's Bond .....	\$ 37.00
Audit and Legal Fees for 1977-1979 .....	\$ 2,101.03
TOTAL DISBURSEMENTS—Jan. 1-Dec. 31, 1981 .....	\$ 77,762.04
1981 INCOME SURPLUS .....	\$ 19,160.41

### CASH ACCOUNTS

Checking Account, 31 December 1981 .....	\$ 3,525.71
Savings Account, 31 December 1981 .....	49.24
Dreyfus Liquid Assets, 31 December 1981 .....	<u>38,778.83</u>
TOTAL CASH ON HAND .....	\$ 42,353.78

### DESIGNATED ACCOUNTS

#### Van Tyne Memorial Library Fund

##### RECEIPTS

Balance 1980 .....	\$ 1,174.58
Sales and Gifts .....	273.02

##### DISBURSEMENTS

Purchase of Books .....	\$ 883.05
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BALANCE .....	\$ 564.45
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#### Louis Agassiz Fuertes Research Fund

##### RECEIPTS

Endowment Earnings .....	\$ 200.00
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##### DISBURSEMENTS

Mark K. Wourms .....	\$ 200.00
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#### Margaret Morse Nice Fund

##### RECEIPTS

Endowment Earnings .....	\$ 100.00
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##### DISBURSEMENTS

Linda Heald .....	\$ 100.00
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#### Alexander Wilson Prize

##### RECEIPTS

Endowment Earnings .....	\$ 100.00
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##### DISBURSEMENTS

H. Carolyn Peach .....	\$ 100.00
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#### Ernest P. Edwards Prize

##### RECEIPTS

E. P. Edwards .....	\$ 350.00
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##### DISBURSEMENTS

M. Ross Lein (donated to student awards) .....	\$ 225.00
James F. Wittenberger .....	\$ 125.00

## Paul A. Stewart Awards

## RECEIPTS

Endowment Earnings .....	\$	1,400.00
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## DISBURSEMENTS

Kenneth F. Abraham .....	\$	200.00
David E. Blockstein .....		200.00
Roger L. Boyd .....		200.00
Shari Hahn .....		200.00
Katherine J. Kuletz .....		200.00
Thomas E. Martin .....		200.00
Joseph M. Wunderle .....		200.00

## Aaron Bagg Student Award Fund

## RECEIPTS

Balance from 1980 .....	\$	30.00
Gift .....		200.00

## DISBURSEMENTS

16 Student Memberships Awarded .....	\$	224.00
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BALANCE .....	\$	6.00
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## Annual Meeting Reserve Fund

## RECEIPTS

Balance from Corpus Christi Meeting .....	\$	225.13
Balance from Sackville Meeting .....		116.87

## DISBURSEMENTS

Local Committee—Sackville .....	\$	150.00
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BALANCE .....	\$	222.00
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## Endowment

## RECEIPTS

Value of General Endowment Fund 31 Dec. 1980 .....	\$164,973.29
Life Membership Payments and Gifts .....	13,511.50
Depreciation of Principal .....	(1,893.63)
Value of General Endowment Fund 31 Dec. 1981 .....	\$149,469.91

## George M. Sutton Colorplate Fund

PRINCIPAL .....	\$	27,121.25
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## Total Combined Wilson Ornithological Society

Endowment Funds 21 Dec. 1981 .....	\$176,591.16
Earnings from Endowment for 1981 .....	\$ 17,456.13

## SECOND BUSINESS MEETING

The second business meeting was called to order by President Gaunt on Saturday afternoon, 8 May 1982. The proposed new members of the Society were elected unanimously. Three resolutions presented by the Resolutions Committee were approved unanimously, as was the report of the Auditing Committee. These and other summaries of committee reports to Council are presented below.

## AUDITING COMMITTEE REPORT—1981

We, the undersigned, have examined the Treasurer's records, bank statements, cancelled checks, and other financial records of the Society covering the period from 1 January 1981 to 31 December 1981. Our examination confirms that receipts and disbursements have been correctly accounted for, and bank balances are in agreement with the Treasurer's statement.

Hubert P. Zernichow, *Member*  
 Robert A. Whiting, *Member*  
 William A. Klamm, *Member*

## EDITOR'S REPORT—1981

The staff of *The Wilson Bulletin* processed 211 manuscripts in 1981, including the 145 received during the year. Volume 93 contained 32 major papers, 56 short papers, 61 pages of book reviews and notices, a lengthy conservation report, an annual report, and other short notices, for a total of 624 pages. There are plans for color plates for all issues in 1982, but plans for future color plates are less certain.

Some suggested improvements for the future include: review articles on a variety of subjects such as art, field techniques, museum practices, anatomical surveys; informing potential authors that we no longer have mandatory page charges; adding to the list of referees who will review papers without advance notification; faster revision of papers by authors.

I have been greatly assisted by many people in the editorial office and elsewhere. These include: Assistant Editor Margaret May; Senior Editorial Assistants Gary Bortolotti and Nancy Flood; Editorial Assistants Dave Ankney, Keith Bildstein, Jim Rising, and Richard Snell; the staff of Allen Press, especially Arly Allen, Ken Blair, John Breithaupt, and Guy Dresser; the Royal Ontario Museum and its staff, especially R. D. James, M. May, and Janet Mannone; members of the Society who helped out in many ways, especially Clait Braun, Sandra Gaunt, Toby Gaunt, Jerry Jackson, Bill Lunk (color plates), Bob Raikow (book reviews), and Peter Stettenheim. I thank also the 150 colleagues who reviewed manuscripts for us during the year.

Jon C. Barlow, *Editor*

## LIBRARY COMMITTEE REPORT—1981

The Josselyn Van Tyne Memorial Library operated as usual in 1981, with increases in certain activities and decreases in others. Notably, our file of translations is expanding, and being computerized. Through exchanges, we received 150 journals, newsletters, and reprints. Together with 35 gifts and complimentary subscriptions, and five regular subscriptions, there are 190 periodical titles. Fifty-eight members borrowed 742 items during the year. We hope that publication of a book list in 1982 will lead to greater use. During 1981 we received 809 items, including 27 books and reports, 510 reprints, 236 journal issues, and 36 translations. We thank the following for their donations: A. J. Berger (514 of the above), J. Cheek, J. J. Dinsmore, S. M. Goodman, J. Haffer, P. Hamel, J. Hinshaw, H. Hoogstraal, C. S. Houston, L. Kelso, C. M. Kirkpatrick, F. Lohrer, H. Mayfield, B. G. Murray, Jr., J. C. Nicholson, F. Novaes, M. S. Putnam (for International Crane Foundation), W. J. Richardson, R. Roth, D. Siegel-Causey, A. Simon, G. A. Smith, M. Snow, J. G. Strauch, Jr., and Col. L. R. Wolfe.

The committee once more thanks the entire membership. The Library belongs to us all; let's continue to support and use it.

William A. Lunk, *Chairman*

## MEMBERSHIP COMMITTEE COMMITTEE REPORT—1981

Total paid membership for the Society was 2257 in the calendar year of 1981. The figure for 1982 is not yet available. My office handled a total of 14 requests for membership applications since the last meeting. Applicants were sent (1) our prospectus and dues structure and (2) a letter asking that dues be sent to OSNA in Columbus, Ohio. I encourage anyone interested in distributing our new prospectus to potential new members to write me.

Keith L. Bildstein, *Chairman*

## STUDENT MEMBERSHIP COMMITTEE REPORT—1981

Announcement of the availability of the Aaron M. Bagg Student Membership Awards was made in *The Wilson Bulletin* and the *Ornithological Newsletter*. In the absence of funds designated for the solicitation of nominees from among the membership, for the first time no letters were sent to selected members seeking the names of students. In response to letters of inquiry, 31 sets of application materials were sent out. There were 13 eligible applicants for the Bagg Award, about a third as many as in the past year. The members of the committee evaluated the nominees independently, and there was complete agreement on the high quality of all applicants. The following received Aaron M. Bagg Student Membership Awards: Anthony H. Bledsoe, Yale Univ.; Petra G. Bohall, Univ. Florida; Bruce A. Colvin, Bowling Green State Univ.; William E. Davis, Univ. California-Davis; James G. Devereux, Frostburg State College; Sharon Goldwasser, Univ. Arizona; Michael E. Kaspari, Univ. Nebraska; Francis P. Kehoe, Univ. Western Ontario; Mary C. McKittrick, Univ. Pittsburgh; Mari B. Smaby, North Dakota State Univ.; Ellen J. Snyder, Univ. Maine-Orono; Robert E. Szafoni, Univ. Illinois; Brian M. Winter, Iowa State Univ.

John L. Zimmerman, *Chairman*

## REPORT OF THE RESOLUTIONS COMMITTEE

The following resolutions were read during the second business meeting:

WHEREAS, the continued existence of mankind as well as all forms of life depends upon healthy ecosystems in which all the components from the smallest microbes to the largest plants and animals play crucial and interdependent roles, and

WHEREAS, we are only beginning to understand the complexities of these relationships and our dependence upon this diversity of life forms, and

WHEREAS, the Endangered Species Act is widely considered to be one of the most important wildlife conservation laws in the world,

THEREFORE BE IT RESOLVED that The Wilson Ornithological Society urges the Congress of the United States to reauthorize a strong Endangered Species Act as a means of insuring that this generation does not callously or carelessly destroy essential links in the web of life before we fully understand their parts in sustaining all life on this planet.

WHEREAS, scientists have shown beyond doubt that our coastal bays, estuaries, marshes, and barrier islands are of inestimable value in maintaining viable populations of shellfish, finfish, birds, and other wildlife, and

WHEREAS, the laws, regulations, and accepted uses impacting these coastal areas are a tangled web of contradictory forces simultaneously attempting to alter, develop, and protect these fragile ecosystems, and

WHEREAS, the U. S. Fish and Wildlife Service has identified in 'concept plans' nearly 50 barrier islands along the Atlantic and Gulf coasts that have exceptional value for fish and wildlife, and

WHEREAS, we believe that federal subsidies should be cut off for developing these unstable, storm-prone areas, thereby minimizing the risks and threats to human life and property, while simultaneously perpetuating wild, living resources, including bird populations and their habitats, and

WHEREAS, the Reagan administration hopes to 'zero fund' the Coastal Zone Act which was renewed in 1980,

THEREFORE BE IT RESOLVED, that The Wilson Ornithological Society urgently requests the House and Senate Appropriations Committees to fully recognize the special ecological and biological characteristics of our barrier islands and coastal zones and to further recognize that any weakening of the Coastal Zone Act will not only have a deleterious effect upon fisheries and wildlife of economic and aesthetic importance but will also, when the inevitable storms destroy homes and businesses built in these hazardous areas, prove far more costly than enforcing the present Coastal Zone Act.

WHEREAS, The Wilson Ornithological Society has held its 63rd annual meeting in Blacksburg, Virginia, 6 through 9 May 1982, at the invitation of Virginia Polytechnic Institute and State University and the New River Valley Bird Club, and

WHEREAS, the quality of the scientific programs, the warm hospitality, and superb organization provided by Curtis Adkisson and the Local Committee, and the comfortable accommodations at the Donaldson Brown Center for Continuing Education at Virginia Polytechnic Institute and State University combined to make this an excellent meeting,

THEREFORE BE IT RESOLVED that The Wilson Ornithological Society expresses its gratitude and thanks to Curtis Adkisson and his Local Committee on Arrangements, to Clait Braun and Ronald Ryder, who organized the Scientific Program, and to the staff of the Donaldson Brown Center for the planning and hard work which has made this such an enjoyable and worthwhile meeting.

#### NOMINATING COMMITTEE REPORT—1981

The second business meeting ended with the report of the Nominating Committee, chaired by George A. Hall. He presented the slate of officers for the 1982-83 year: President, Abbot S. Gaunt; First Vice-President, Jerome A. Jackson; Second Vice-President, Clait E. Braun; Secretary, Curtis S. Adkisson; Treasurer, Robert D. Burns; Elective Member of the Council (term to expire in 1985), Anthony J. Erskine. There being no further nominations, it was moved, seconded and passed that the Secretary be instructed to cast a unanimous ballot for the slate.

#### PAPERS SESSION

The papers session was organized by Clait E. Braun and Ronald A. Ryder. The individual sections were chaired by: C. S. Adkisson, J. C. Barlow, K. Bildstein, C. E. Braun, M. H. Clench, M. W. Collopy, R. N. Conner, T. C. Grubb, J. A. Jackson, D. W. Johnston, B. Schardien, J. Sheppard, R. B. Stiehl, and G. E. Woolfenden. A list of papers presented follows.

- Stuart D. Strahl, State University of New York at Albany, "Observations on the social system and foraging ecology of the Hoatzin in the llanos of Venezuela."
- C. P. L. Barkan, J. L. Craig, S. D. Strahl, A. M. Stewart, and J. L. Brown, State University of New York at Albany, "Dominance in social units of communal Mexican Jays."
- G. E. Woolfenden and J. W. Fitzpatrick, University of South Florida and Field Museum of Natural History, "Testing the territorial budding hypothesis."
- Michael W. Collopy, University of Florida, "Food habits of Golden Eagles: a comparison of two techniques."



- Kenneth D. Meyer, University of North Carolina, "Sexual size dimorphism and niche separation in breeding Sharp-shinned Hawks (*Accipiter striatus*)."
- Lenora Oosterhuis and Anthonie M. A. Holthuijzen, V.P.I. & S.U., and Mark R. Fuller, U.S. Fish and Wildlife Service, "Migration behavior and habitat use of immature female Sharp-shinned Hawks (*Accipiter striatus*)."
- Keith L. Bildstein, Winthrop College and Baruch Institute for Marine Biology, University of South Carolina, "Sex dependent differences in the hunting behavior and parental care of Northern Harriers breeding in Wisconsin."
- Petra G. Bohall, University of Florida, "Winter habitat use by American Kestrels in Florida."
- Judith W. McIntyre, Utica College of Syracuse University, "Nurseries: habitat requirements during the early chick-rearing period."
- James F. Parnell, University of North Carolina at Wilmington, "Populations and breeding biology of the Eastern Brown Pelican (*Pelecanus occidentalis carolinensis*) in North Carolina."
- Gary R. Hepp, North Carolina State University, "In support of behavioral dominance as a mechanism influencing segregation of the sexes in wintering waterfowl."
- R. T. DiGiulio and P. F. Scanlon, V.P.I. & S.U., "Heavy metals in Chesapeake Bay waterfowl."
- Nancy S. Mueller, North Carolina Central University, "Induction of immunological tolerance in Mallards."
- Helmut C. Mueller, University of North Carolina, Chapel Hill, "Functions of reversed sexual dimorphism in *Sula*."
- Wayne Hoffman, University of South Florida, "Seasonal distribution of terns off the coasts of Florida."
- Thaddeus A. Grudzien, Central Michigan University, "Breeding sounds of the Common Snipe: description and proposed functions."
- Peter W. Hicklin, Canadian Wildlife Service, "Migrant Semipalmated Sandpipers in the Bay of Fundy: predator-prey interactions, fat deposition, and turnover rate."
- Jerome A. Jackson and Bette J. Schardien, Mississippi State University, "Distribution, status, and nesting phenology of Snowy Plovers in Mississippi."
- Julie A. Hovis, University of Florida, "Population biology and habitat characteristics of Red-cockaded Woodpeckers in northern Florida pine forests."
- Steven Martindale, State University of New York at Albany, "Sexual dimorphism in size, foraging, and aggression in Gila Woodpeckers."
- Annie P. Marshall, University of the Pacific, "Courtship and reproduction in the Bali Mynah (*Leucopsar rothschildi*) (Aves: Sturnidae)."
- Harlo H. Hadow, Coe College, "Song patterning and discrimination in Northern and Southern house wrens."
- Mary E. Anderson and Richard N. Conner, Stephen F. Austin State University and U.S. Forest Service, "Dialects and syllable structure of three east Texas Cardinal populations."
- Gary Ritchison, Eastern Kentucky University, "The function of singing by female Black-headed Grosbeaks."
- John W. Hardy, Ben B. Coffey, Jr., and Lula Coffey, Florida State Museum, "A mystery nightjar in Peru—what is it anyway?"
- Callyn D. Yorke, University of Arkansas, "A comparison of avian community structure in a rubber-tree plantation and an adjacent suburb of Kuala Lumpur, Malaysia."
- David W. Johnston, George Mason University, "Ecological analysis of a long-term breeding bird community."
- Charlie W. Wooten, University of Arkansas, "Avian distribution, abundance, and habitat associations in northwestern Arkansas."

- Daniel R. Petit, Ohio State University, and Kenneth E. Petit, Kent State University, "On foliage height diversity and atmospheric moisture as factors controlling diversity and distribution of birds in temperate deciduous forest."
- Joseph M. Meyers, University of Georgia, "On environmental factors and avian communities in the Okefinokee Swamp, Georgia."
- Charles R. Preston, University of Arkansas, "Breeding territory size and space utilization in the Tufted Titmouse."
- Jon C. Barlow and Brete G. Griffin, Royal Ontario Museum and University of Toronto, "Comparative habitat use and foraging in breeding and wintering Gray Vireos in west Texas."
- Philip C. Shelton, Clinch Valley College, "Northern birds on Mt. Rogers, Virginia."
- Theresa Duffey, University of Wisconsin—Green Bay, "Gray Partridge: upland game bird of the future?"
- George H. Haas, U.S. Fish and Wildlife Service, "Nesting effort of individual Mourning Dove pairs in Georgia."
- Joseph M. Wunderle, Jr., North Carolina State University, "The timing of the breeding season in the Bananaquit (*Coereba flaveola*) on Grenada, West Indies."
- Elizabeth Litovich, Rutgers University, "Communication and allocation of parental care in Starlings."
- G. T. Bancroft, University of South Florida, "Evolution of asynchronous hatching in the Boat-tailed Grackle."
- Kent L. Fiala, SUNY, Stony Brook, "Female-biased nestling ratio in a Red-winged Blackbird population."
- E. K. Bollinger and J. W. Caslick, Cornell University, "Relationships between Red-winged Blackbird feeding activity and northern corn rootworm beetles in field corn in central New York."
- A. M. A. Holthuijzen and Curtis S. Adkisson, V.P.I. & S.U., "Feeding, digestion, and seed germination enhancement of eastern red cedar (*Juniperus virginiana* L.) by Cedar Waxwings (*Bombycilla cedrorum* L.)."
- Charles Walcott, Cornell University, "Homing pigeon navigation: do they use the Earth's magnetic field?"
- Christine M. Lucia and David R. Osborne, Miami University, "Sunset as an orientation cue in White-throated Sparrows."
- Harry E. LeGrand, Jr., Clemson University, "An hypothesis of redetermined migration: flying on calm nights to correct for displacement."
- Kimberly G. Smith, University of Arkansas, "Avian foraging behavior along a montane sere in northern Utah."
- Thomas C. Grubb, Jr., Ohio State University, "Sparrows and a brushpile: foraging responses to different combinations of risk and energy cost."
- Andrew D. Thompson, Jr. Ohio State University, "Laboratory foraging responses of woodland birds to the presence of conspecifics and heterospecifics."
- Mercedes C. Mondecarr, University of Arkansas, "Effect of a conspecific on the activity pattern of the White-throated Sparrow (*Zonotrichia albicollis*)."
- A. Cyr, G. Michaud, and G. Groulx, Sherbrooke University, "The advantages of fooling the system through mimicry: Redstart case study."
- Richard R. Repasky, North Carolina State University, "An assessment of a home range sampling scheme."
- A. B. Carey, USDA Forest Service, "Line-transect sampling of cavity-using birds."
- Robert L. Paterson, Jr., and Margaret S. Paterson, Frostburg State College, "An application of the James-Shugart habitat sampling method to measure nest-sites."

- Richard N. Conner, James G. Dickson, and J. Howard Williamson, USDA Forest Service, "Comparisons of two census techniques and mist net captures."
- Antoinette L. Pepin, Utah State University, "Molt schedules of Mountain and Black-capped chickadees."
- J. D. Rising, University of Toronto, "The progress of oriole hybridization in Kansas."
- Thomas G. Balgooyen, San Jose State University, "Environmental correlates of avian coloration in breeding males."
- T. David Pitts, University of Tennessee at Martin, Eastern Bluebird nest-site fidelity and mate fidelity in northwest Tennessee."

## POSTER PAPERS

- Paul B. Hamel, Jeffrey L. Beacham, and Anna E. Ross, Clemson University, "A laboratory study of cranial pneumatization in Indigo Buntings."
- Tom Webber, Florida State Museum, "Allopreening by Brown-headed Cowbirds."
- R. Todd Engstrom, Robert L. Crawford, and W. Wilson Baker, Florida State University and Tall Timbers Research Station, "Bird populations in relation to forest structure following fire exclusion: a 15-year study."

## ATTENDANCE

- ARKANSAS: *Fayetteville*, Robin R. Buff, Patricia Ann Greenleaf, Mercedes Mondecar, Charles R. Preston, Kimberly Smith, Charles Wooten, Callyn D. Yorke.
- CALIFORNIA: *San Jose*, Thomas G. Balgooyen.
- COLORADO: *Aurora*, Thomas Muir; *Fort Collins*, Clait E. Braun; *Golden*, James Tate, Jr.
- DISTRICT OF COLUMBIA: Richard C. Banks, Carol Lutyk, Linda Lyon, Jay Sheppard, Jeff Swinebroad.
- FLORIDA: *Gainesville*, Petra Bohall, Mary H. Clench, Michael Collopy, John William Hardy, Julie Hovis, Robert Repenning, Tom Webber; *Lake Placid*, Fred Lohrer; *Tampa*, G. Thomas Bancroft, Wayne Hoffman, Glen Woolfenden, Jan Woolfenden; *Tallahassee*, Robert L. Crawford, Todd Engstrom.
- GEORGIA: *Athens*, Joseph M. Meyers; *Watkinsville*, George H. Haas.
- INDIANA: *Hannover*, J. Dan Webster.
- IOWA: *Cedar Rapids*, Harlo H. Hadow.
- KENTUCKY: *Richmond*, Gary Ritchison.
- MAINE: *Wayne*, Mrs. Andrew Dawson, Olin S. Pettingill, Jr.
- MARYLAND: *Bethesda*, Shirley Briggs, Eileen Williams; *Frostburg*, Robert L. Paterson, Jr.; *Gaithersburg*, Jean Swinebroad.
- MASSACHUSETTS: *Manomet*, Kathleen Anderson; *Worcester*, Susan Berman.
- MICHIGAN: *Grass Lake*, Harold Ratcliff; *Jackson*, Robert Whiting; *Pleasant Lake*, Hugh Zernichow.
- MISSISSIPPI: *Mississippi State*, Jerome A. Jackson, Bette Schardien.
- NEW JERSEY: *New Brunswick*, Elizabeth Litovich, Michael Lombardo, Harry Power.
- NEW YORK: *Albany*, Chris Barkan, Steve Martindale, Stuart D. Strahl; *Ellenville*, Barbara Belanger, Valerie Freer; *Ithaca*, Eric Bollinger, Charles R. Smith, Charles Walcott; *Slingerlands*, Walton B. Sabin; *Utica*, Judith McIntyre.
- NORTH CAROLINA: *Chapel Hill*, Kenneth O. Horner, Ken Meyer, Nancy Mueller, Helmut Mueller; *Four Oaks*, Thomas Haggerty; *Mars Hill*, Alan B. Smith; *Raleigh*, Phillip D. Doerr, Gary Hepp, Dick Repasky, Joseph Wunderle; *Wilmington*, Frances Parnell, James F. Parnell.
- OHIO: *Athens*, John C. Ritzenthaler, Sally C. Ritzenthaler; *Columbus*, Gail Foreman, Abbot

Gaunt, Sandra Gaunt, Thomas C. Grubb, Jr., Ann Marshall, Dan Petit, Andrew Thompson; *Canfield*, G. William Richter; *Gambier*, Robert D. Burns; *Hudson*, Neil Henderson; *Lakewood*, Nancy R. Klamm, William A. Klamm; *Oxford*, Christine Lucia.

PENNSYLVANIA: *Chester Springs*, Babs Street, Phillips Street; *Edinboro*, Donald B. Snyder; *Johnstown*, Joseph Patterson, Lora Patterson; *Pittsburgh*, Nancy Lopez, Jay Loughlin, Mary McKitrick, Ellen Parkes, Kenneth Parkes.

SOUTH CAROLINA: *Chester*, Mary Lee Robinson, Mrs. W. C. Stone, Sr.; *Clemson*, Jeffrey L. Beacham, Carl Helms, Harry LeGrand, Anna Ross; *Rock Hill*, Keith Bildstein; *Spartanburg*, Miller Foster.

TENNESSEE: Dale K. Fowler; *Martin*, David Pitt; *Maryville*, Ralph Zanglein; *Norris*, Charles Nicholson, Linda J. Turner.

TEXAS: *Nacadoches*, Richard N. Conner.

VIRGINIA: *Arlington*, James Felkel; *Blacksburg*, Curtis Adkisson, Anita Allen, Mary Anderson, Cathy Blohowiak, Kenneth Cooper, Gerald Cross, Nina Fraser, Thaddeus Grudzien, A. M. A. Holthuijzen, Rosemary Norris, L. Oosterhuis, Mary Linda Smyth, Linda Stover, Jerry Via; *Chincoteague*, Irvin Ailes, Stan Shutek; *Fairfax*, David W. Johnston, Esta Johnson; *Glen Allen*, Kathryn Schneider; *Harrisonburg*, A. Clair Mellinger; *Manassas*, Roxie Laybourne; *Parksley*, Karen Terwilliger; *Scottsville*, Mrs. Frederick S. Whiteside; *Sterling*, Antoinette Pepin; *Virginia Beach*, Kimberly Young; *Williamsburg*, Ruth Beck, Sherwin Beck, Mitchell Byrd.

WEST VIRGINIA: *Morgantown*, Dr. and Mrs. Maurice Brooks, Andrew Carey, George A. Hall; *St. Albans*, Brian D. Watts.

WISCONSIN: *Green Bay*, Teresa Duffey, Richard Stiehl; *Wisconsin Rapids*, Jeff Groth.

NEW BRUNSWICK: *Sackville*, Peter Hicklin.

ONTARIO: *Toronto*, Jon C. Barlow, James D. Rising.

QUEBEC: *Sherbrooke*, Andre Cyr.

UNITED KINGDOM: *Tring*, Alan Knox.

## 1983 ANNUAL MEETING

The 1983 Annual Meeting of The Wilson Ornithological Society will be held in Green Bay, Wisconsin 2-5 June 1983. The host for the meeting is the University of Wisconsin-Green Bay. Dr. Richard B. Stiehl is Chairman of the Local Arrangements Committee. His address is *College of Environmental Sciences, University of Wisconsin-Green Bay, Green Bay, Wisconsin 54302*.